



GENERAL INFORMATION

ADVANTEK's patented LOKREEL® component packaging reels are ideal for shipment and storage of any component packaged in carrier tape. The high-impact injection molded polystyrene used by ADVANTEK to manufacture LOKREELS offers exceptional protection to devices.

LOKREELS are sold and shipped disassembled in halves to minimize shipping cost and provide compact storage. This high density packing feature reduces supply room space requirements by up to 60% and can reduce shipping costs by up to 70%.

The halves snap together by a simple twisting motion and require no gluing or fasteners. This patented snap together design eliminates the "hidden costs" of one piece pre-assembled reels.

13" Molded LOKREEL® Component Packaging Reels

Construction

LOKREEL halves are injection-molded using a specially formulated high impact polystyrene (HIPS). Antistatic agent is applied to RD series LOKREELS by emersion in solution. Re-use of this product may degrade the antistatic properties.

Configurations

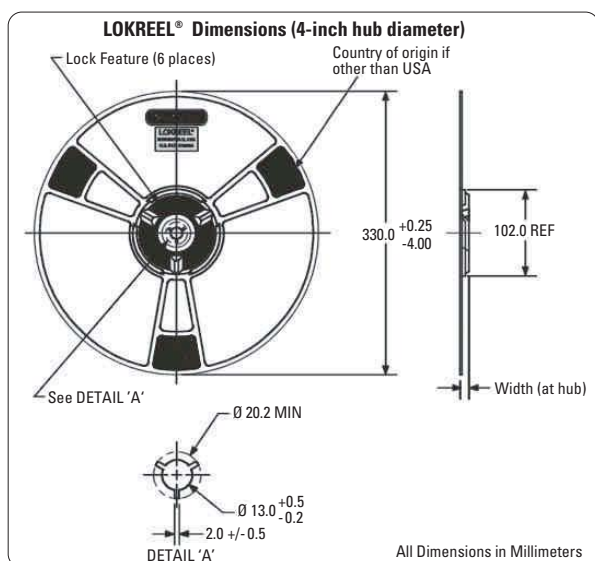
ADVANTEK LOKREELS have an outside diameter measuring 13" (330mm) and a 1/2" (13mm) diameter arbor hole. Reel halves are available in a variety of hub diameters and hub widths. Hub diameters available include the standard 4" (102mm) hub suitable for most carrier tapes and the 7" (178mm) hub designed to protect devices contained in deep-pocket and narrow pitch carrier tapes. Available hub widths include 4mm, 8mm, 16mm and 28mm. Any combination of these hub widths will combine to produce a reel for EIA standard carrier tape widths of 8, 12, 16, 24, 32, 44 and 56mm. The table below demonstrates LOKREEL half combinations and the reel widths they produce.

Reel Width (mm)	LOKREEL Combination
8	4mm and 4mm
12	4mm and 8mm
16	8mm and 8mm
24	8mm and 16mm
32	16mm and 16mm
44	16mm and 28mm
56	28mm and 28mm

Shelf Life / Storage Conditions

It is recommended that ADVANTEK type RD Antistatic LOKREELS be used within 2 years from the date of manufacture. Type RC Conductive LOKREELS have an indefinite shelf life.

Store this product in its original packaging in a climate controlled environment where conditions range from 21°C \pm 17°C (70.0°F \pm 30°F). Users are advised to let the product stabilize at room temperature prior to use. The mechanical integrity of the product is not affected by humidity.





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Part Numbers: White Antistatic

Hub Width	4" Diameter Hub	7" Diameter Hub
4mm	RD33004SW	RD33704SW
8mm	RD33008SW	RD33708SW
16mm	RD33016SW	RD33716SW
28mm	RD33028SW	RD33728SW

Part Numbers: Black Conductive

Hub Width	4" Diameter Hub	7" Diameter Hub
4mm	RC33004SW	—
8mm	RC33008SW	RC33708SW
16mm	RC33016SW	RC33716SW
28mm	RC33028SW	RC33728SW

Antistatic LOKREEL Properties

Property	Typical Value	Test Method/Standard
Tensile Strength	3900 PSI	ASTM D 638
Elongation	45%	ASTM D 638
Flexural Modulus	280,000 PSI	ASTM D 790
Vicat Softening	85°C (185°F)	ASTM D 1525
Specific Gravity	1.04 g/cc	ASTM D 892
Surface Resistivity	≤10 ¹¹ ohms/square	ASTM D 257 Static Dissipative per EIA 541
Color	White	N/A

Conductive LOKREEL Properties

Property	Typical Value	Test Method/Standard
Tensile Strength	3500 PSI	ASTM D 638
Elongation	50%	ASTM D 638
Flexural Modulus	270,000 PSI	ASTM D 790
Vicat Softening	85°C (185°F)	ASTM D 1525
Specific Gravity	1.06 g/cc	ASTM D 892
Surface Resistivity	≤10 ⁹ ohms/square	ASTM D 257 Static Dissipative per EIA 541
Color	Black	N/A